

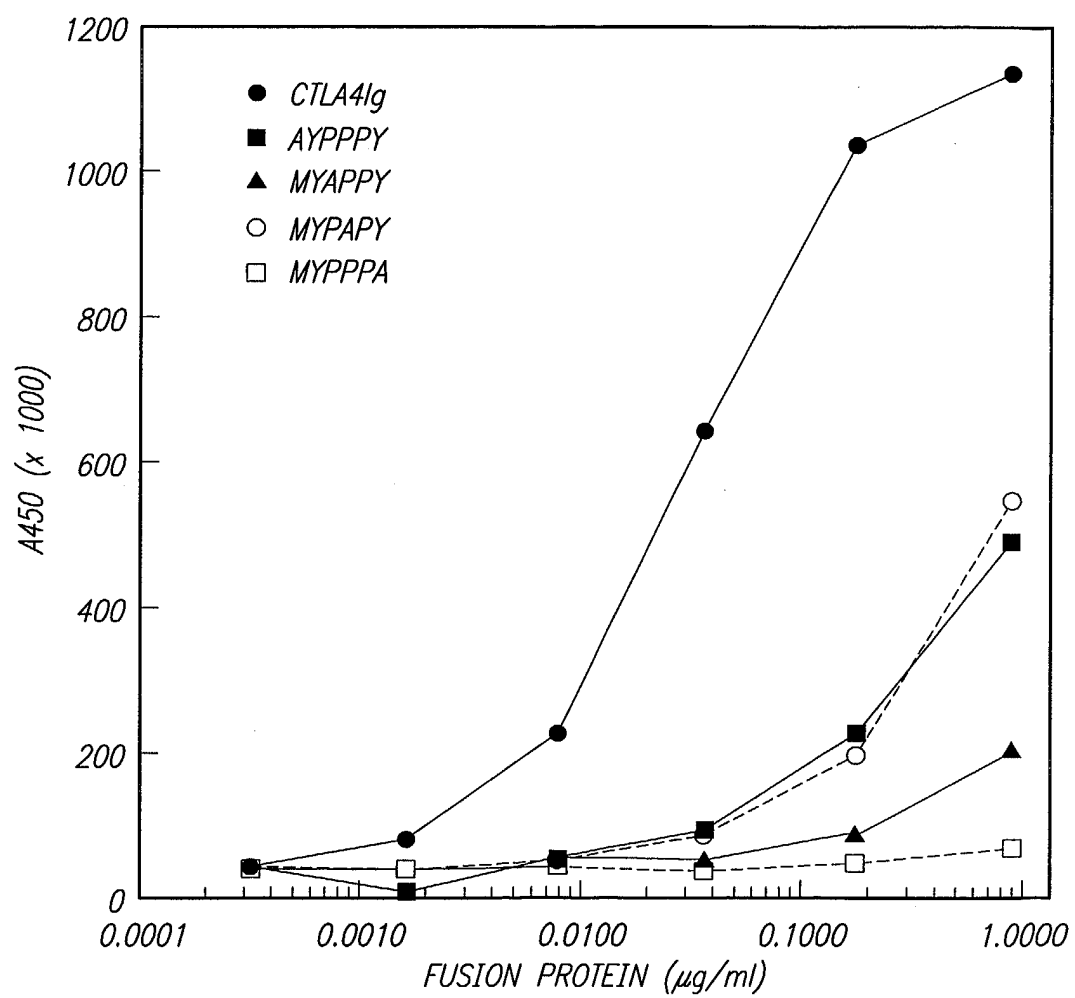
EXHIBIT 1

U.S. Serial No. 09/454,651
Formal Drawings of 17A,
17B and 18-21

FIG. 17-A

	1	50
Hct1a4	M A C L G F Q R H K A Q L N L A A R T W P C T L L F F L L F I P V F C K A M H V A Q P A V V L A S S	
Muct1a4	M A C L G L R R Y K A Q L Q L P S R T W P F V A L L T L L F I P V F S E A I Q V T Q P S S V L A S S	
Mcd28 M T L R L L F L A L N F F S V Q V T E N K L L V K Q S P P L L V V D S	
Rcd28 M T L R L L F L A L S F F S V Q V T E N K L L V K Q S P P L L V V D N	
Hcd28 M L R L L L A L N L F P S I Q V T G N K L L V K Q S P P L L V A Y D	
Chcd28 M L G I L L V V L C L I P A A D V T E N K L L V A Q R P P L L I V A N	
	signal peptide	
	51	100
Hct1a4	R G T A S F V C E E V R V T V L R Q A D S Q V T E V C A A T T Y M M G N E L T F L D D	
Muct1a4	H G V A S F P C E E V R V T V L R Q T N D Q M T T E V C A A T T F T E K N T V G F L D Y	
Mcd28	N E V S S Y N L L A K E F R A S L Y K G V N S D V E E V C V G N G N F T Y Q P Q F R S N	
Rcd28	N E V S S Y N L L A K E F R A S L Y K G V N S D V E E V C V G N G N F T Y Q P Q F R P N	
Hcd28	N A V S S Y N L L A K E F R A S L Y K G V N S D V E E V C V G N G N F T Y Q Q L Q V Y S K	
Chcd28	R T A S F V C E E F R A S L Y K G T D S A V E E V C F I S W N M T K I N S N S N	
	CDR 1-like	CDR 2-like
	101	150
Hct1a4	S . . I C T S S G N Q V N L T T T Q G L R A M D T G L L C K V E L M Y P P P P P L L G I G N G T	
Muct1a4	P . . F C N C D G N E S R V V N L T T T Q G L R A V D T G L L C K V E L M Y P P P P P L L G M G N G T	
Mcd28	A E F N C D G N E S R V V N L T T T Q G L R A V D T G L L C K V E L M Y P P P P P L L E R S N G T	
Rcd28	V G F N C D G N E S R V V N L T T T Q G L R A V D T G L L C K V E L M Y P P P P P L L D N E K S N G T	
Hcd28	T G F N C D G N E S R V V N L T T T Q G L R A V D T G L L C K V E L M Y P P P P P L L D N E K S N G T	
Chcd28	K E F N C D G N E S R V V N L T T T Q G L R A V D T G L L C K V E L M Y P P P P P L L D N E K S N G T	
	CDR3-like	
	151	200
Hct1a	Q T Y V I D P E P P C P D S D F F L L L L L A A W S S G L F F M S E L L T . A V S L S K M L K	
Muct1a4	Q T Y V I D P E P P C P D S D F F L L L L L A A W S S L G L F F M S E L L T . A V S L S K M L K	
Mcd28	I T H T K E K H L L C H A Q S S P K L L F M A L L V V A A G V L F C M G L L V T V A C V I W T N S	
Rcd28	I T H T K E K H L L C H A Q T S P K L L F M A L L V V A A G V L L C M G L L V T V T C I I W T N S	
Hcd28	I T H T K G K H L L P S P L F P G P S K P F E M E V L W T V G G V L A C V S G L N T V A F I I F W V R S	
Chcd28	V T H T R E T P I Q T Q E P E S A T S Y M N M V A W T G L L G F M S M L T P E A V E I I Y R Q K S	
	transmembrane domain	

FIG. 18



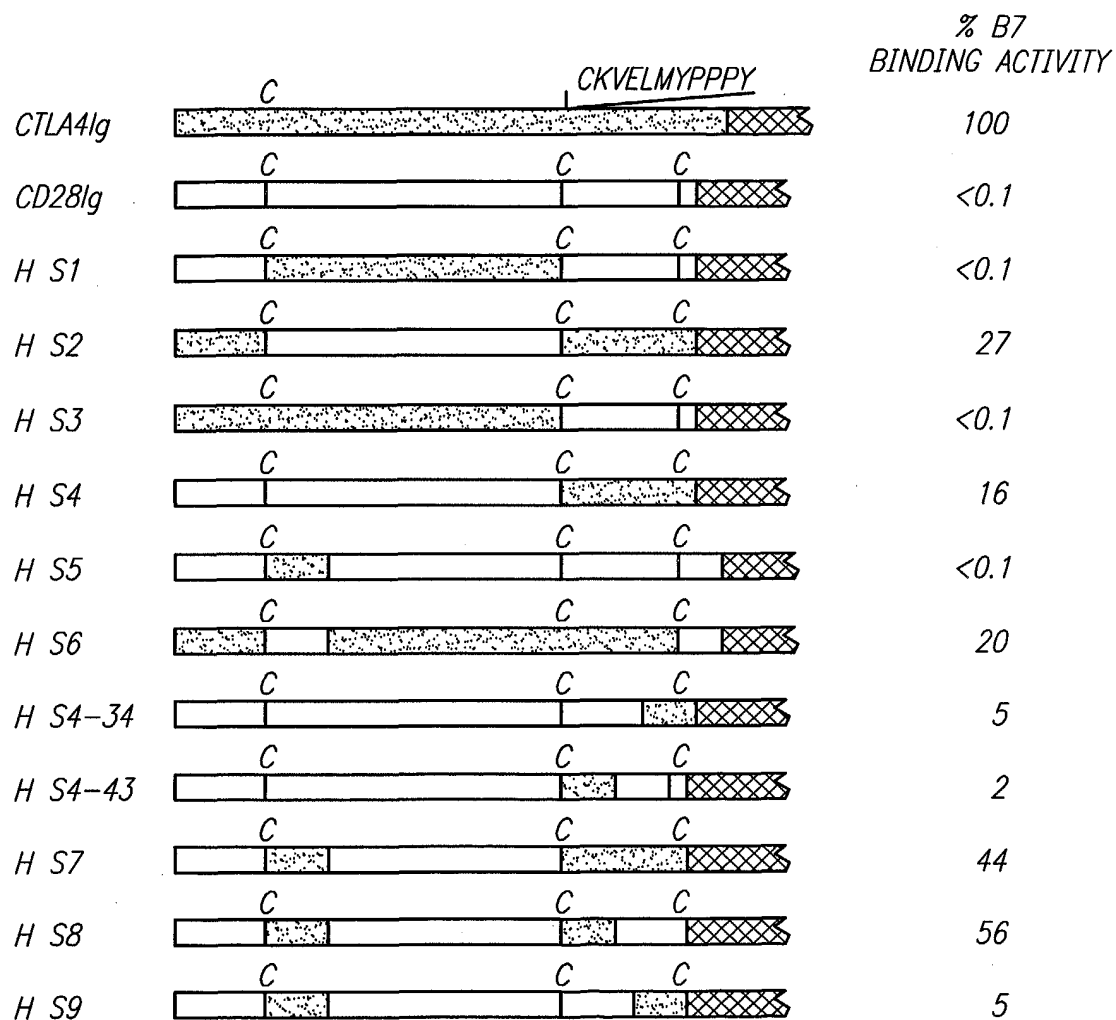
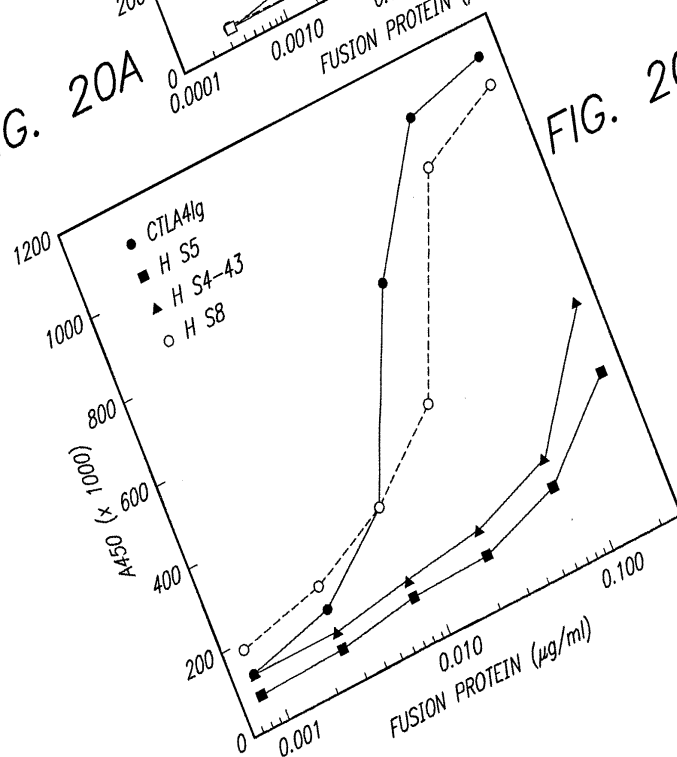
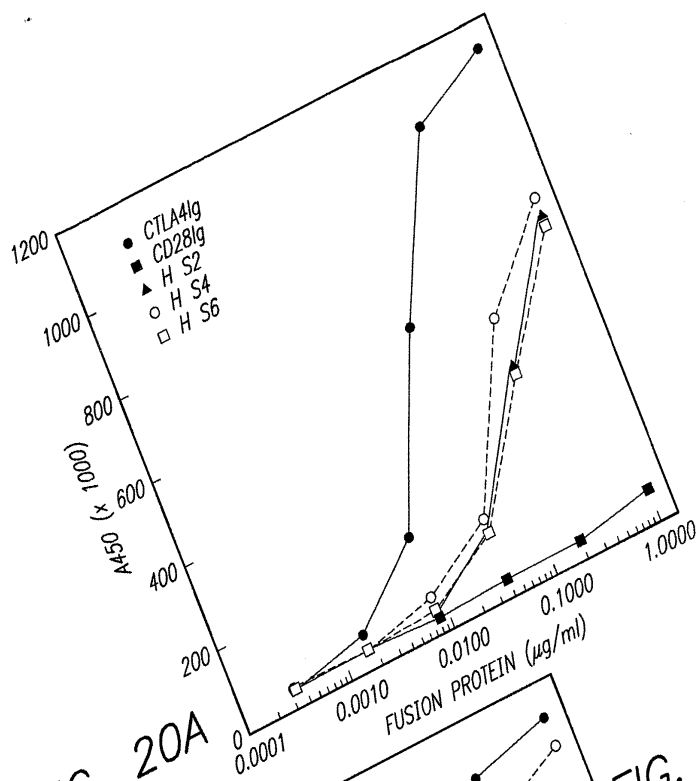


FIG. 19





CTLA-4 Model

